



HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 10002500-2

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Ian P. Shaeffer et al.

Confirmation No.:

Application No.: Unassigned

Examiner: Unassigned

Filing Date: Herewith

Group Art Unit: Unk.

Title: PRINTED CIRCUIT BOARD HAVING SOLDER BRIDGES FOR ELECTRONICALLY  
CONNECTING CONDUCTING PADS AND METHOD OF FABRICATING SOLDER BRIDGES

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e)(1) or (2), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

\* Express Mail\* label no. EV 310 988 600 US

Date of Deposit **Sept. 3, 2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By

Typed Name: John A. Parker

Respectfully submitted,

Ian P. Shaeffer et al.

By

Micha I R. Binzak

Attorney/Agent for Applicant(s)  
Reg. No. **38,081**

Date: **Sept. 3, 2003**

**PATENT APPLICATION**

Sheet 1 of 1

FORM PTO-1449

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

**10002500-2**

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**Herewith**

GROUP

**REFERENCE DESIGNATION****U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	4,528,064	Jul. 9, 1985	Ohsawa et al.	
	1B	5,011,066	Apr. 30, 1991	Thompson	
	1C	6,260,518	Nov. 9, 1993	Tanaka et al.	
	1D	5,325,629	Jul. 5, 1994	Hsu	
	1E	5,395,643	Mar. 7, 1995	Brown et al.	
	1F	5,404,637	Apr. 11, 1995	Kawakami	
	1G	5,436,028	Jul. 25, 1995	Becher et al.	
	1H	5,463,191	Oct. 31, 1995	Bell et al.	
	1I	5,509,597	Apr. 23, 1996	Laferriere	
	1J	5,543,584	Aug. 6, 1996	Handford et al.	
	1K	5,553,538	Sep. 10, 1996	Freitag	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

	1Q	
	1R	
	1S	

EXAMINER

DATE CONSIDERED

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	5,740,730	Apr. 21, 1998	Thompson, Sr.	
	2B	5,743,007	Apr. 28, 1998	Onishi et al.	
	2C	5,804,248	Sep. 8, 1998	Hewett	
	2D	5,867,898	Feb. 9, 1999	Lauffer et al.	
	2E	6,020,561	Feb. 1, 2000	Ishida et al.	
	2F	6,026,566	Feb. 22, 2000	Urban et al.	
	2G	6,091,155	Jul. 18, 2000	Jonaidi	
	2H	6,165,596	Dec. 26, 2000	Chen et al.	
	2I	6,259,608	Jul. 10, 2001	Berardinelli et al.	
	2J	6,320,139	Nov. 20, 2001	Byle et al.	
	2K				

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	2M					
	2N					
	2O					
	2P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

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	2S	

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